

Converting Colors

Yxy(44.8176, 0.2334, 0.3303)

Have a look what the booklet for
Yxy(44.8176, 0.2334, 0.3303)
contains.

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Color

Yxy(44.8176, 0.2334, 0.3303)

Conversions

Conversions Part 1

Format	Color
Hex	3AC5C4
RGB	58, 197, 196
RGB Percent	23%, 77%, 77%
CMY	0.7729, 0.2274, 0.2314
CMYK	0.71, 0.00, 0.01, 0.23
HSL	180°, 55%, 50%
HSV	180°, 71%, 77%
XYZ	31.6695, 44.8176, 59.2005
YIQ	155.3250, -82.5230, -29.7790

Conversions

Conversions Part 2

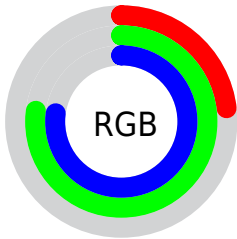
Format	Color
R _{YB}	58, 128, 197
Decimal	3851716
CIE Lab	72.77, -36.00, -10.18
CIE LCh	73, 37.415, 195.792
Yxy	44.8176, 0.2334, 0.3303
Android (android.graphics.Color)	4282041796 (0xFF3AC5C4)
YUV	155.3250, 20.0528, -85.3540
Hunter-Lab	66.9459, -32.7141, -5.5681

Details

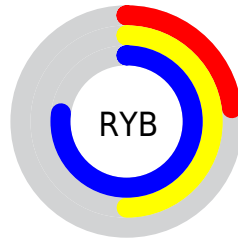
The Yxy color **44.8176, 0.2334, 0.3303** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **15.2028, 0.5475, 0.3287**, and the grayscale version is **32.8551, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3354, 0.2470, 0.3300**, and **21.5979, 0.2252, 0.3308** is the 20% darker color. If you saturate the color by 10%, you get **44.3320, 0.2291, 0.3305**, and if you desaturate by 10%, it is **45.5322, 0.2396, 0.3301**.

Distribution



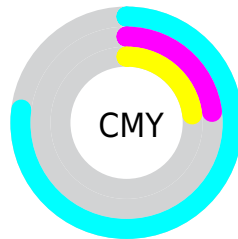
- Red (23%)
- Green (77%)
- Blue (77%)



- Red (23%)
- Yellow (50%)
- Blue (77%)



- Cyan (71%)
- Magenta (0%)
- Yellow (1%)
- Black (23%)




- Cyan (77%)
- Magenta (23%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.8176, 0.2334, 0.3303 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 44.8176, 0.2334, 0.3303 by changing the saturation by 10% instead.

 44.8176, 0.2334,
0.3303

 44.8176, 0.2334,
0.3303


366.0343, 0.2723,
0.3307

 31.3138, 0.2240,
0.3299


 82.4466, 0.2473,
0.3307


 20.8379, 0.2121,
0.3291


 107.3406, 0.2526,
0.3308


 13.0056, 0.1967,
0.3277


 136.8002, 0.2571,
0.3308

 7.4324, 0.1759,
0.3252

 171.2096, 0.2610,
0.3308

 3.7339, 0.1469,
0.3200

 210.9533, 0.2644,
0.3308

 1.5259, 0.0949,
0.3114

256.4158, 0.2673,

 0.3068, 0.0000,

0.3308

0.2264

307.9813, 0.2700,
0.3308

0.0000, 0.0000,
0.0000

44.8176, 0.2334,
0.3303

44.8176, 0.2334,
0.3303

44.3320, 0.2291,
0.3305

45.5322, 0.2396,
0.3301

44.0430, 0.2265,
0.3308

46.4939, 0.2478,
0.3299

43.9034, 0.2253,
0.3310

47.7246, 0.2578,
0.3297

49.2425, 0.2694,
0.3295

51.0642, 0.2825,
0.3293

■ 53.2049, 0.2967,
0.3291

■ 55.6790, 0.3118,
0.3290

■ 58.4998, 0.3274,
0.3289

■ 61.6802, 0.3433,
0.3288

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



44.8176, 0.2702, 0.3832



44.8176, 0.2334, 0.3303



44.8176, 0.2175, 0.2828

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



44.8176, 0.2334, 0.3303



44.8176, 0.2978, 0.2557



44.8176, 0.4075, 0.3993

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



44.8176, 0.2334, 0.3303



15.2028, 0.5475, 0.3287

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



44.8176, 0.4183, 0.3611



44.8176, 0.2334, 0.3303



44.8176, 0.3519, 0.2822

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



44.8176, 0.2334, 0.3303



44.8176, 0.2520, 0.2451



44.8176, 0.3976, 0.3194



44.8176, 0.3709, 0.4231

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



44.8176, 0.2334, 0.3303



44.8176, 0.2194, 0.2609



44.8176, 0.3976, 0.3194



44.8176, 0.4145, 0.3876

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



44.8193, 0.2334, 0.3303



91.1947, 0.2815, 0.3293



41.2095, 0.3032, 0.5526



19.3140, 0.2777, 0.3294



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



44.8193, 0.2334, 0.3303



79.0550, 0.2274, 0.3307



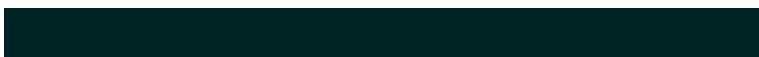
20.8336, 0.2051, 0.2161



12.0662, 0.2985, 0.3291



28.8743, 0.2253, 0.3309



1.3676, 0.2251, 0.3304

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



15.2028, 0.5475, 0.3287



22.8144, 0.6107, 0.3292



26.8783, 0.4750, 0.4100



10.6382, 0.3288, 0.3289



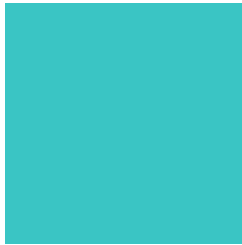
7.8103, 0.6392, 0.3295



0.3703, 0.6359, 0.3277

Previews

White Background



This preview shows how the Yxy color 44.8176, 0.2334, 0.3303 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 44.8176, 0.2334, 0.3303 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

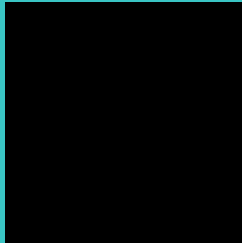
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

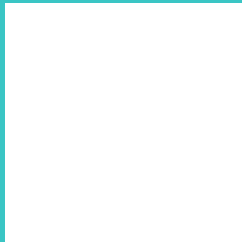
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.8176, 0.2334, 0.3303

Background



This preview shows how black text looks on a background with the Yxy color 44.8176, 0.2334, 0.3303.

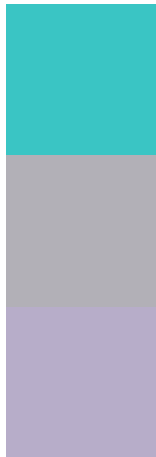


This preview shows how white text looks on a background with the Yxy color 44.8176, 0.2334, 0.3303.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

44.8176, 0.2334, 0.3303

Protanopia

43.9345, 0.3088, 0.3197

Deuteranopia

44.1715, 0.2989, 0.2933



Tritanopia

44.9267, 0.2284, 0.3055

Trichromacy



Original Color

44.8176, 0.2334, 0.3303



Protanomaly

42.9802, 0.2710, 0.3232



Deuteranomaly

42.9827, 0.2664, 0.3052



Tritanomaly

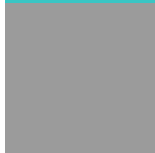
45.0261, 0.2301, 0.3141

Monochromacy



Original Color

44.8176, 0.2334, 0.3303



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

35.6448, 0.2710, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.8176, 0.2334, 0.3303 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(58, 197, 196)` looks like.

```
.text, #text, p{  
    color:rgb(58, 197, 196)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(58, 197, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 197, 196) }
```

Border

The CSS property to change the border of an element to Yxy 44.8176, 0.2334, 0.3303 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(58, 197, 196) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(58, 197, 196) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(58, 197, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 197, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 197, 196);  
box-shadow:4px 4px 4px 4px rgb(58, 197,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 44.8176, 0.2334, 0.3303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 197, 196) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(58, 197,  
196) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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